


X-RAY PLANE DETECTOR

Patent number: JP2001099942
Publication date: 2001-04-13
Inventor: MIYAGI TAKESHI; KONNO AKIRA; YAMADA SHINICHI
Applicant: TOSHIBA CORP
Classification:
- international: G01T1/24
- european:
Application number: JP19990276261 19990929
Priority number(s):

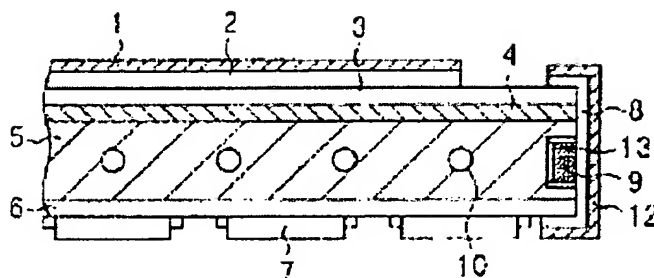
Also published as:

 JP2001099942 (A)

Abstract of JP2001099942

PROBLEM TO BE SOLVED: To provide an X-ray plane detector free from a malfunction and excellent in reliability for a long period.

SOLUTION: This detector is provided with a first substrate 3 wherein photoelectric transducers for transferring an incident X-ray to an electric charge are formed in a two-dimensional matrix, a plate-like metal holding member 5 for holding the first substrate 3, a shielding member 4 interposed between the first substrate 3 and the holding member 5 to prevent the incident X-ray from being scattered rearwards, a second substrate 6 arranged in a side opposed to the first substrate 3 in the holding member 5 and mounted with an electronic circuit thereon, and a flexible substrate 8 for connecting electrically the first substrate 3 to the second substrate 6 and mounted with a semiconductor element 9. The semiconductor element 9 is arranged in a position where the X-rays are shielded by the shielding member 4, in a side opposite to an incident face of the X-rays in the shielding member 4, and is brought into close contact with the holding member 5 via a heat-conductive resin layer 13.



Data supplied from the esp@cenet database - Patent Abstracts of Japan

BEST AVAILABLE COPY